

# Crestron IRP2

## Infrared Emitter

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### Installation Guide



 **CRESTRON**<sup>®</sup>

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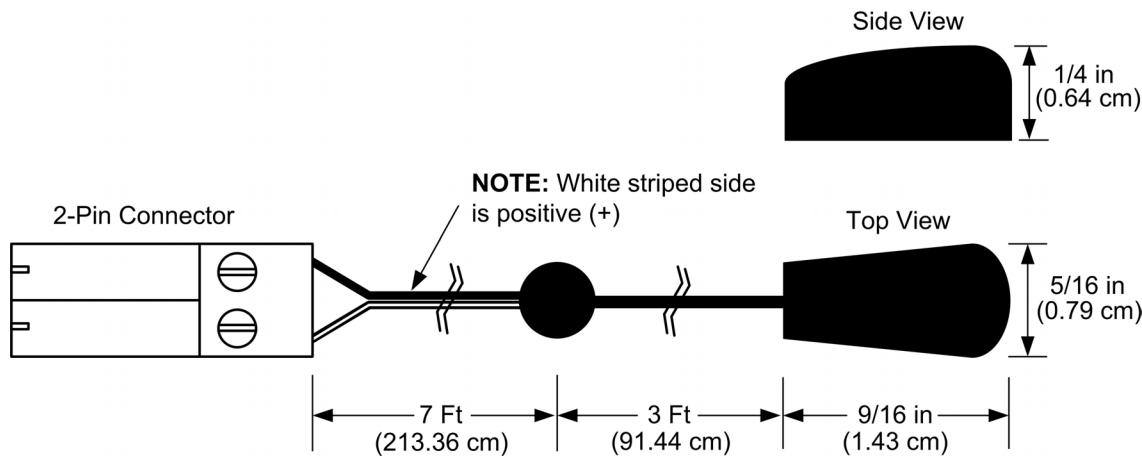
# Infrared Emitter: IRP2

## Introduction

The IRP2 is an infrared emitter housed in a plastic shell. The IRP2 shell emits IR control signals sent to it by a Crestron® control system. The IRP2 shell can be installed directly on the IR sensor window of the controlled device or at a nearby suitable location. The IRP2 is compatible with 2-Series controllers. It is also compatible with X-Generation controllers by exchanging the 3.5 mm connector for a 5 mm connector (not supplied). It is not compatible with the CNMS generation.

## Description

The IRP2, shown below, contains an infrared (IR) LED housed in a miniature, mouse shaped, black, injection molded plastic shell. The IRP2 has a ten-foot (304.8 cm) lead terminated in a two-pin 3.5 mm connector.



## Package Contents

In addition to the IRP2, this package also contains an IR mask and two-sided transparent tape.

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## Installation

### Attach the IRP2 to the IR Sensor Window

Refer to the following instructions and illustration.

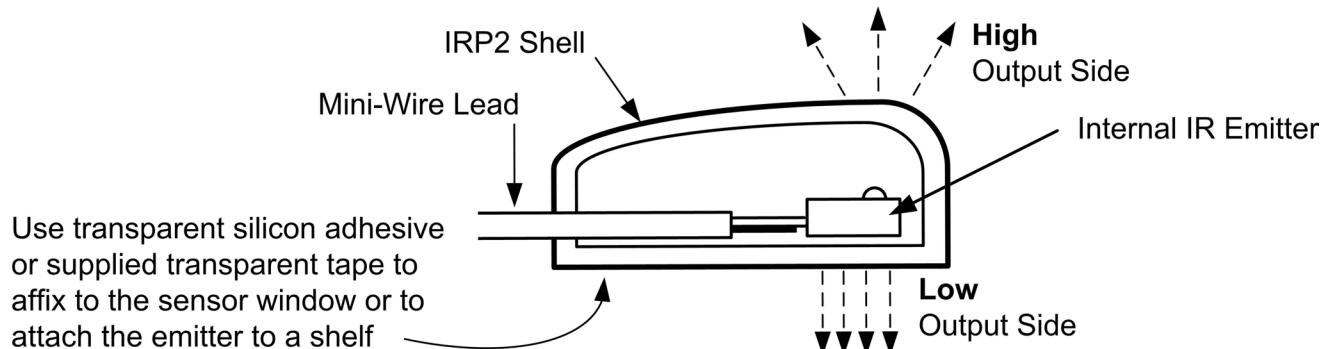
1. Identify the clear, flat bottom surface of the IRP2 shell.
2. Apply transparent silicon adhesive (not supplied) to the flat side of the IRP2 or use the supplied transparent tape.

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**CAUTION:** Test the silicon adhesive on a non-visible area to confirm that it will not damage material or equipment.

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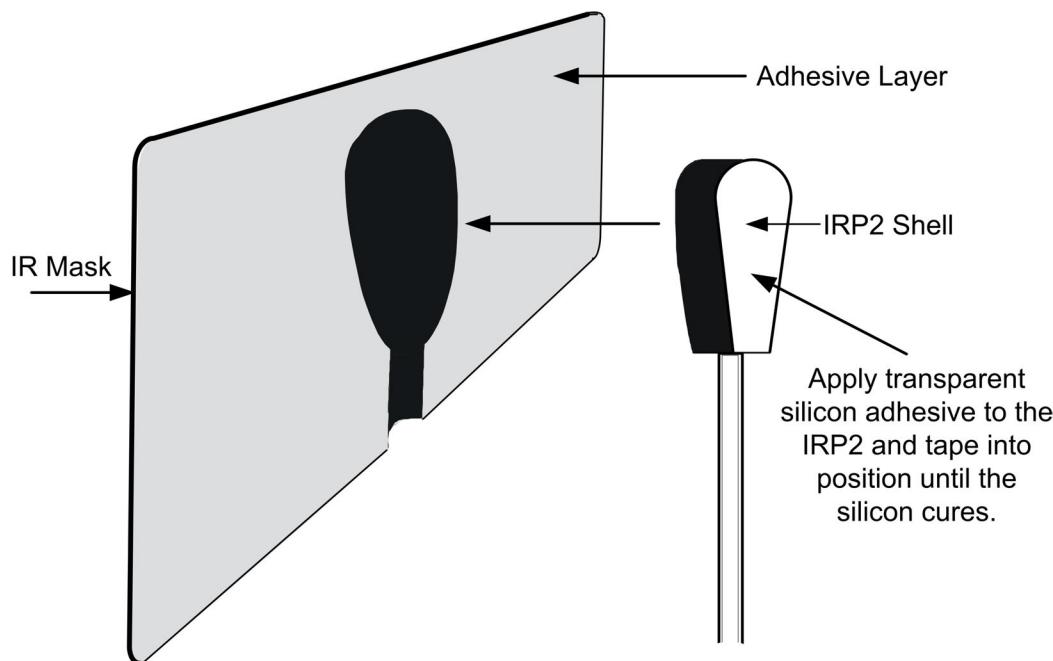
3. Affix the IRP2 in the center of the IR sensor window on the front panel of the controlled component.
4. Use a piece of non-damaging tape to hold the IRP2 in position while the silicon adhesive cures.
5. Remove the tape after the silicon cures.
6. In some cases, identifying the exact location of the sensor window may be difficult. Consult the owner manual of the unit, or the manufacturer for the exact IR window location.
7. If the IRP2 shell must be removed and repositioned for any reason, be sure to completely remove the silicon adhesive and repeat steps 1 through 5.



## IR Mask Installation

The IR mask (supplied) is designed to fit over the IRP2 shell, as shown in the following illustration, so that the sensor window of the controlled component is completely covered. The IR mask prevents unwanted external IR signals from passing through or leaking past it. The IR mask also prevents emitting IR from the IRP2 shell from radiating backward into the IR sensors of other nearby components.

1. Without removing the adhesive backing from the IR mask, fit the two pieces together and accurately position them over the IR sensor window of the component to be controlled.
2. Attach the IRP2 to the sensor window using transparent silicon adhesive (not supplied). Temporarily tape the IRP2 in place using non-damaging tape until the silicon cures.
3. If necessary, neatly trim the IR mask. Be sure that it overlaps the margins of the component IR sensor window.
4. Remove the adhesive backing from the IR mask and position it over the IR sensor window while pressing down firmly.



## Attach the IRP2 to Other Locations

Rather than affixing the low output side of the IRP2 shell directly over the IR sensor window, the shell can be positioned as much as three feet away on the axis of the IR sensor window. The high output side of the IRP2

shell permits control at this greater distance. Placement of the IRP2 on surfaces just above or below the IR sensor window, as shown in the following illustrations, may provide a more pleasing aesthetic appearance. However, be sure to position the IRP2 shell so that the edge of the component does not block the IR signal.

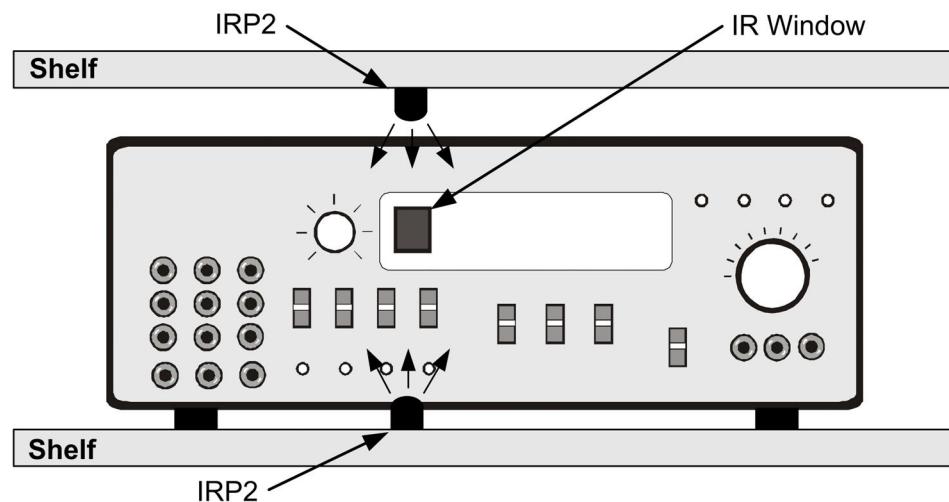
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**NOTE:** Placing the IRP2 shell on a cabinet door may result in interruption of the IR signal if the door is opened.

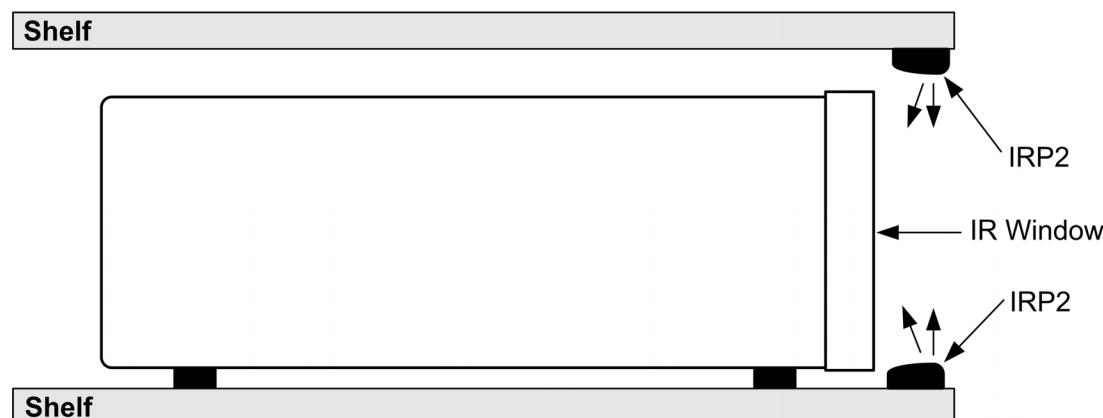
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Possible mounting locations of the IRP2 shell include being attached to a shelf directly below or above the IR sensor window.

#### *Front View*



#### *Side View*



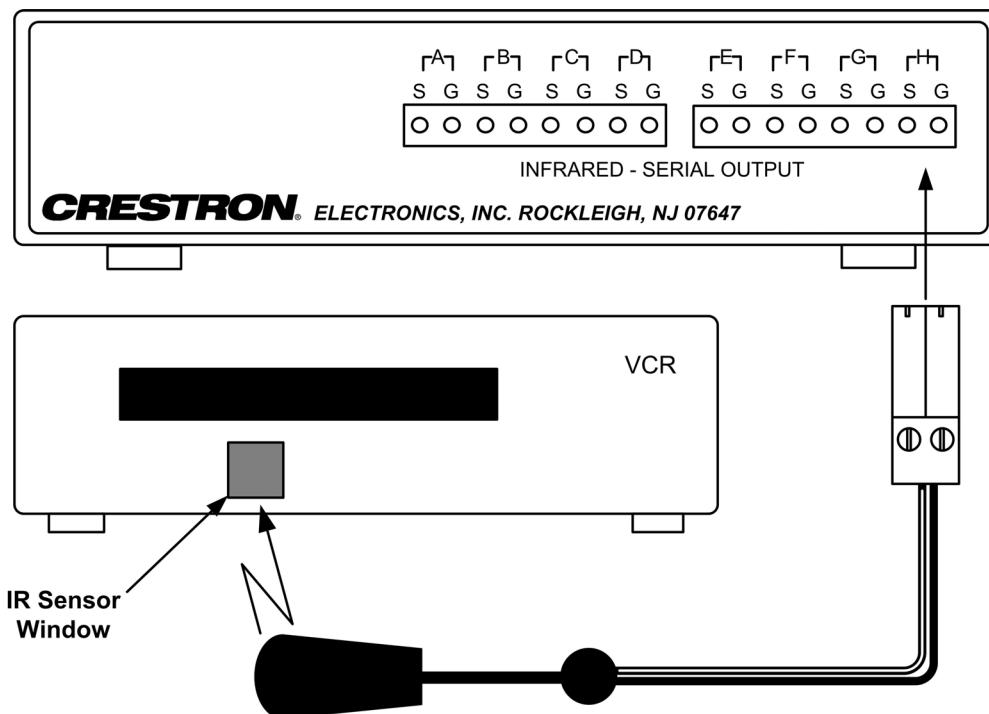
## Connect the IRP2

Insert the two-pin connector of the IRP2 into an infrared - serial output port of the control system as shown in the following illustration.

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**NOTE:** The white-traced wire connects to the pin labeled S.

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## Further Inquiries

If you cannot locate specific information or have questions after reviewing this guide, please take advantage of Crestron's award winning customer service team by calling the Crestron corporate headquarters at 1-888-CRESTRON [1-888-273-7876]. For assistance in your local time zone, refer to the Crestron website (<http://www.crestron.com>) for a listing of Crestron worldwide offices.

You can also log onto the online help section of the Crestron website to ask questions about Crestron products. First-time users will need to establish a user account to fully benefit from all available features.

As of the date of manufacture, the IRP2 has been tested and found to comply with specifications for CE marking and standards per EMC and Radiocommunications Compliance Labelling.



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**NOTE:** This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

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## Future Updates

As Crestron improves functions, adds new features, and extends the capabilities of this product, additional information may be made available as manual updates. These updates are solely electronic and serve as intermediary supplements prior to the release of a complete technical documentation revision.

Check the Crestron website periodically for manual update availability and its relevance. Updates are identified as an “Addendum” in the Download column.

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## Return and Warranty Policies

### Merchandise Returns / Repair Service

1. No merchandise may be returned for credit, exchange, or service without prior authorization from CRESTRON. To obtain warranty service for CRESTRON products, contact the factory and request an RMA (Return Merchandise Authorization) number. Enclose a note specifying the nature of the problem, name and phone number of contact person, RMA number, and return address.
2. Products may be returned for credit, exchange, or service with a CRESTRON Return Merchandise Authorization (RMA) number. Authorized returns must be shipped freight prepaid to CRESTRON, 6 Volvo Drive, Rockleigh, N.J., or its authorized subsidiaries, with RMA number clearly marked on the outside of all cartons. Shipments arriving freight collect or without an RMA number shall be subject to refusal. CRESTRON reserves the right in its sole and absolute discretion to charge a 15% restocking fee, plus shipping costs, on any products returned with an RMA.
3. Return freight charges following repair of items under warranty shall be paid by CRESTRON, shipping by standard ground carrier. In the event repairs are found to be non-warranty, return freight costs shall be paid by the purchaser.

### CRESTRON Limited Warranty

CRESTRON ELECTRONICS, Inc. warrants its products to be free from manufacturing defects in materials and workmanship under normal use for a period of three (3) years from the date of purchase from CRESTRON, with the following exceptions: disk drives and any other moving or rotating mechanical parts, pan/tilt heads and power supplies are covered for a period of one (1) year; touchscreen display and overlay components are covered for 90 days; batteries and incandescent lamps are not covered.

This warranty extends to products purchased directly from CRESTRON or an authorized CRESTRON dealer. Purchasers should inquire of the dealer regarding the nature and extent of the dealer's warranty, if any.

CRESTRON shall not be liable to honor the terms of this warranty if the product has been used in any application other than that for which it was intended, or if it has been subjected to misuse, accidental damage, modification, or improper installation procedures. Furthermore, this warranty does not cover any product that has had the serial number altered, defaced, or removed.

This warranty shall be the sole and exclusive remedy to the original purchaser. In no event shall CRESTRON be liable for incidental or consequential damages of any kind (property or economic damages inclusive) arising from the sale or use of this equipment. CRESTRON is not liable for any claim made by a third party or made by the purchaser for a third party.

CRESTRON shall, at its option, repair or replace any product found defective, without charge for parts or labor. Repaired or replaced equipment and parts supplied under this warranty shall be covered only by the unexpired portion of the warranty.

Except as expressly set forth in this warranty, CRESTRON makes no other warranties, expressed or implied, nor authorizes any other party to offer any warranty, including any implied warranties of merchantability or fitness for a particular purpose. Any implied warranties that may be imposed by law are limited to the terms of this limited warranty. This warranty statement supercedes all previous warranties.

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change without notice.